

AMENDMENTS TO THE ABSTRACT

Please **revise the Abstract of the Disclosure** as follows, and a clean copy of the Abstract as amended is attached hereto:

A cell based assay assembly ~~(1) comprising~~ includes a biochip assembly ~~(2)~~, a liquid delivery unit ~~(3)~~ an and detection and recording equipment ~~(4)~~ is used for conducting an assay on a biological cell as it is delivered through the biochip assembly ~~(2)~~. The biochip assembly ~~(2)~~ has includes a plurality of separate biochips each comprising a microchannel with input and output ports, separate reservoir wells are provided on the biochip assembly and are periodically connected to the liquid delivery unit ~~(3)~~ by removable separate disclosed transfer conduits. The input and output ports of the biochip are also periodically connected to the delivery unit ~~(3)~~ by the conduit. The liquid delivery unit ~~(3)~~ comprises includes a liquid link assembly and a positive displacement pump such as a syringe pump. The liquid link assembly has includes pressure compressible means which acts to smooth out pressure rises by initially contacting and then expanding to in turn dispense a steady liquid delivery output below 10 μ per minute.